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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/621,388		07/18/2003	Satoshi Okamoto	Q76473	2458
23373	7590	01/30/2006		EXAM	INER
SUGHRUE			JACKSON, M	IONIQUE R	
2100 PENNSYLVANIA AVENUE, N.W. SUITE 800				ART UNIT	PAPER NUMBER
WASHINGTON, DC 20037				1773	

DATE MAILED: 01/30/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. 10/621,388  Examiner  Monique R. Jackson  - The MAILING DATE of this communication appears on the cover sheet with the of Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_MONT WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. If NO period for reply with provision of this communication. If NO period for reply with the reply is specified above, the maximum statutory period will apply and will expire SIX (8) MONTHS from the nating date of this communication.  If NO period for reply within the set or extended period for reply will, by statute, cause the application to become ABANDONA Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed earned patent term adjustment. See 37 CFR 1.704(b).  Status  1) □ Responsive to communication(s) filed on 27 December 2005.  2a) □ This action is FINAL. 2b) □ This action is non-final.  3) □ Since this application is in condition for allowance except for formal matters, proclosed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 49.  Disposition of Claims  4) □ Claim(s) 1-14 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) □ Claim(s) is/are objected to.  8) □ Claim(s) is/are objected to.  8) □ Claim(s) is/are objected to by the Examiner.  10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Application Papers  9) □ The specification is objected to by the Examiner. Note the attached Office Priority under 35 U.S.C. § 119(a a) □ All b) □ Some * c) □ None of:  1. □ Certified copies of the priority documents have been received in Application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received application from the International Bureau (PCT Rule 17.2(a)).							
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Attachment(s)  1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date  6) Other:	Notice Notice Inform						

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#### **DETAILED ACTION**

1. Upon reconsideration, the finality of prior office action dated 9/27/05 has been withdrawn. Any inconvenience to the Applicant is regretted.

- 2. The terminal disclaimer filed on 12/27/05 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of U.S. Patent 6,797,345 has been reviewed and is accepted. The terminal disclaimer has been recorded.
- 3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

### Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 5. Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Stack et al (USPN 6,121,369.) Stack et al teach liquid crystalline polyester molding composition comprising an all-aromatic, liquid crystalline polyester consisting essentially of terephthalic acid (TA) residues (instantly claimed structural unit IV), 2,6-naphthalenedicarboxylic acid (N) residues (instantly claimed structural unit III), hydroquinone (HQ) residues (instantly claimed structural unit II), and p-hydroxybenzoic acid (PHB) residues (instantly claimed structural unit I), particularly useful for manufacturing circuit boards and electrical connectors for use in various electronic devices; wherein Stack et al specifically teach molded films formed from liquid crystalline polyesters

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having a TA, N, HQ and PHB content that read upon the instantly claimed amounts and ratios (Abstract; Examples, particularly Ex. 1, 8, and 10; Claims.)

# Claim Rejections - 35 USC § 103

6. Claims 9-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stack et al in view of the admitted prior art. The teachings of Stack et al are discussed above. Though Stack et al teach that the liquid crystalline polyester composition is useful in the production of circuit boards, particularly as molded thin articles useful as supports for circuit boards and/or connectors for electrical/electronic applications, Stack et al do not specifically teach laminating the liquid crystalline polyesters with a metal layer, particularly copper. However, considering it is well known and conventional in the art to laminate the liquid crystalline polyester or resin film with a metal layer in producing printed wiring boards, as taught by the admitted prior art (Page 1, Background), it would have been obvious to one having ordinary skill in the art at the time of the invention. Further, copper is an obvious species of metal, as well as the other metals instantly claimed, utilized for the metal layers of printed wiring boards and would have been obvious to one having ordinary skill in the art at the time of the invention.

# Response to Arguments

7. Applicant's arguments with respect to claims 1-14 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Monique R. Jackson whose telephone number is 571-272-1508. The examiner can normally be reached on Mondays-Thursdays, 8:00AM-4:30PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carol Chaney can be reached on 571-272-1284. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Monique R. Jackson Primary Examiner

Marko o

Technology Center 1700

January 23, 2006